

FIG. 1

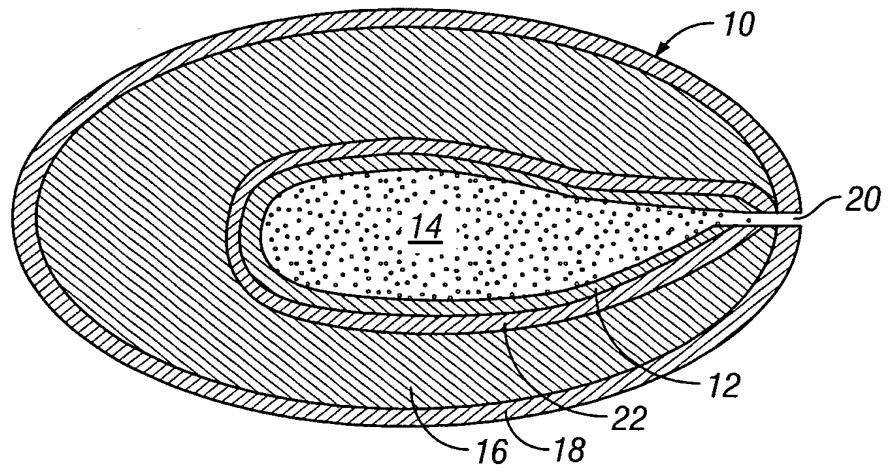


FIG. 2

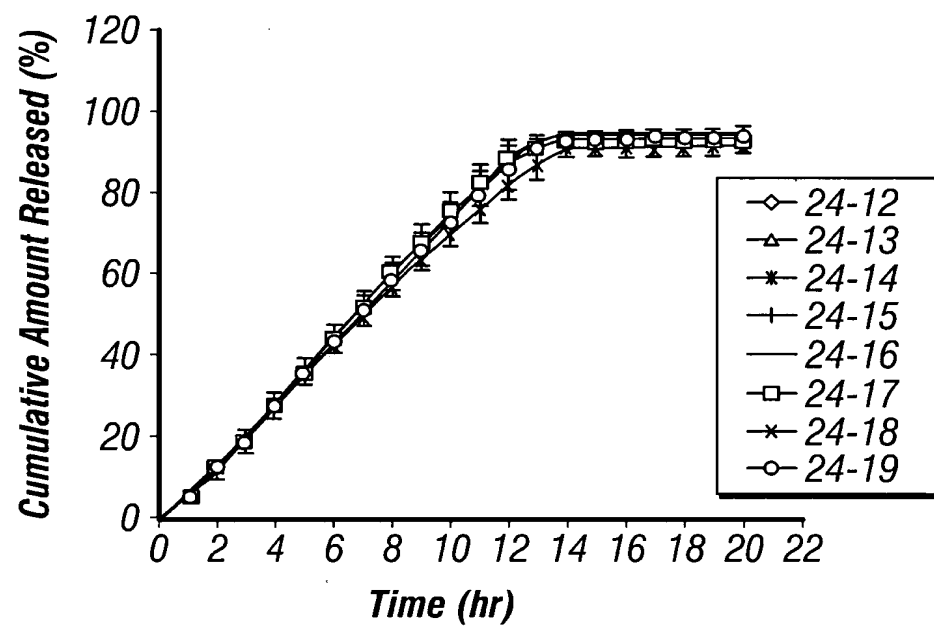


FIG. 3

TABLE 1

FORMULATION	INLET TEMP (C)	OUTLET TEMP (C)	SPRAY RATE (G/MIN/GUN)	PAN SPEED (RPM)	PAN AIR VOL (CFM)	PAN EXHAUST PRESSURE (INCH)	ALUMINATION AIR VOL (SLPM)	PATTERN AIR VOL (SLPM)	EFFICIENCY (%)
24-12	52-54	35-36	45	10	300-330	-1	100	40	71 DRY
24-13	52-53	32-34	50	10	320-330	-1	100	40	82 WET
24-14	52-54	34-36	45	10	340-350	-1	100	40	87 WET
24-15	53-55	35-37	40	10	340-350	-1	100	40	78 DRY
24-16	53-54	33-34	45	10	310-320	-1	100	40	80 DRY
24-17	51-52	32-35	50	10	330-350	-1	100	40	90 WET
24-18	52-53	34-35	45	10	340-345	-1	100	40	89 WET
24-19	52-54	36-37	40	10	340-350	-1	100	40	81 DRY

FIG. 4

TABLE 2

COATING RUN	FORMULATION					COATING CONDITION	% COATING EFFICIENCY (OSMOTIC COATING)	% SYSTEM CRACKED	
	NACMC(%)	NATROSOL(%)	NACL(%)	WATER(%)	ETHANOL(%)			OSMOTIC COATED	CA MEMBRANE COATED
24_12	4.9	3	8.1	62.7	21.3	DRY	71	0.00	0.00
24_13	4.9	3	8.1	62.7	21.3	WET	82	0.19	1.98
24_14	4.1	5	6.9	62.7	21.3	WET	87	0.00	0.00
24_15	4.1	5	6.9	62.7	21.3	DRY	78	0.00	0.00
24_16	4.9	3	8.1	65.3	18.7	DRY	80	0.00	0.12
24_17	4.9	3	8.1	65.3	18.7	WET	90	0.14	4.95
24_18	4.1	6	6.9	65.3	18.7	WET	89	0.00	0.00
24_19	4.1	5	8.9	65.3	18.7	DRY	81	0.00	0.00

FIG. 5